

# New York State Department of Environmental Conservation

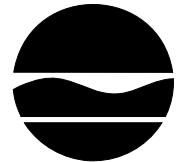
Division of Environmental Remediation

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Joe Martens  
Commissioner

November 8, 2013

Ms. Kelly Morris  
Executive Director  
Glen Cove Community Development Agency  
City of Glen Cove – City Hall  
9 Glen Street  
Glen Cove, New York 11542

RE: Li Tungsten, Site No. 130046  
Glen Cove (C), Nassau County  
Data Gap Analysis

Dear Ms. Morris:

The New York State Department of Environmental Conservation (Department), in consultation with the New York State Department of Health (NYSDOH) and the United States Environmental Protection Agency (USEPA), has reviewed the available Li Tungsten (Site No. 130046) remedial data to determine what additional data is needed to complete the review of the City's request for an Explanation of Significant Differences (ESD) allowing restricted residential development on the Li Tungsten Parcel A property. In addition to developing a list of the additional data needed for Parcel A, the Department also reviewed the remedial data to ensure that the requirements of the Li Tungsten 2005 ESD were met on Parcels B and C. Please find below the results of this review.

## **1. Determination if Li Tungsten Parcel A Cleanup will allow an ESD to “restricted residential” use.**

### *Metals:*

- a. All parties agreed that residual metals contamination at Parcel A will be managed through the implementation of a two-foot soil cover and a Site Management Plan consistent with NYSDEC “Restricted Residential” requirements. Source material and gross contamination will require removal. The Site Management Plan will use the Glen Cove Ferry Terminal Site Management Plan as a template.
- b. Removal and disposal of dredge spoils must conform with all federal, state and local laws, rules and regulations. A request for a Beneficial Use Determination for this material has been made to the NYSDEC and is under review.

*Radioactive Materials: (Note: The NYSDOH does not have a risk category of “Restricted Residential.” Therefore, to allow NYSDEC “Restricted Residential” development all areas of the parcel must meet the radiological clean-up criteria established in the 2005 Li Tungsten ESD.)*

- c. All parties have agreed to allow “Restricted Residential” development of Parcel A contingent upon the incorporation of the following items into the Parcel A Easement and Site Management Plan. The Site Management Plan will use the Glen Cove Ferry Terminal Site Management Plan as a template.
  - i. All intrusive work conducted on Parcel A will require a certified Health Physicist or a Licensed Professional Nuclear Engineer to review and approve such work. A radiation control plan (including a Worker Health and Safety Plan and a Radioactive Materials Management Plan) as a part of the overall Health and Safety plan is required for all work conducted on Parcel A. On-site support for radiological monitoring of all intrusive and survey work is required.
  - ii. Upon removal and proper disposal of Glen Cove Creek dredge spoils, a Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) survey work plan for the entire Parcel A will be prepared and submitted to DEC/DOH for review and approval. The plan and the survey must be prepared and conducted by a NY licensed D&D Contractor. All concrete pads must be removed prior to the MARSSIM survey. It is recommended that prior to removal of the concrete pads a subsurface sampling (coring) through the concrete is performed to identify any potential areas of contamination. The Contractor’s credentials shall be submitted to DOH BERP for verification.
  - iii. If source material or gross contamination is found during the MARSSIM survey, the contamination will be delineated and removed.
  - iv. Residual radioactive contamination will be addressed through a two-foot cover system and Site Management Plan. The Site Management Plan must include Health Physics support for any intrusive work at the site.
  - v. Because of the potential migration of radon, the environmental easement for the Site must require an assessment of the migration of radon gas and chemical vapors through the soil for any new construction proposed on the site, including the need to incorporate appropriate safeguards.

**2. Determination if Li Tungsten Parcel C and Parcel B Cleanup met the 2005 ESD requirements?**

*Metals/PCBs:*

- a. All parties agreed that residual metals contamination at Parcels B and C (including the Dickson Warehouse and Benbow Building) will be managed through the implementation of a two-foot soil cover and a Site Management Plan consistent with NYSDEC “Restricted Residential” requirements. If source material and gross contamination is identified, it will require removal. The Site Management Plan will use the Glen Cove Ferry Terminal Site Management Plan as a template.
- b. Metals contamination identified on the property line between the Li Tungsten Site and the adjacent property to the west will require additional investigation.

*Radioactive Materials*

- c. NYSDOH and NYSDEC feel that at this time there is insufficient data to determine if the criteria identified in the 2005 ESD has been met at Parcels C and B. The following must be completed before this determination can be completed.
- i. The Dickson Warehouse and Benbow Building, including soils around and under the structures, have not been adequately characterized. This area must be characterized for radiological contamination and all soils above the criteria specified in the ESD must be removed:

Consistent with EPA's OSWER Directive 9200.4-25, which further defines the provisions of 40 CFR 192 for Superfund sites, the following radiological criteria will apply to the OU1/OU2 cleanup:

radium-226+radium-228 < 5pCi/g+background  
thorium-230+thorium-232 <5 pCi/g+background

- ii. Extreme storms have caused erosion and possibly moved materials around the site. This may have made previous radiological surveys obsolete and, therefore, would not represent the site as it is today. Therefore, another MARSSIM final survey will be required upon removal of the structures and any radiologically impacted soils and prior to any development of the site. A Site Management Plan similar to that discussed in Section 1 c above is anticipated to be necessary.

As per the June 10, 2013 Glen Cove Redevelopment Area Meeting Action Items, I would like to schedule a November meeting with the City of Glen Cove to discuss the items above and the path going forward. I will be sending the City available dates under a separate cover.

Should you have any questions or concerns please contact me at 518-402-9814 or [hmdudek@gw.dec.state.ny.us](mailto:hmdudek@gw.dec.state.ny.us).

Sincerely,



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